Solve Me Second

Problem Statement

You saw a sample challenge in Solve Me First.

Here we give you a full challenge with all of the components that you typically see on HackerRank. In addition, we have provided a more elaborate I/O template in your preferred language. The given code starts by scanning two integers, separated by a single space, from STDIN in a loop over T lines. STDOUT. The given code starts by scanning two integers, separated by a single space, from `STDIN` in a loop over T lines. Then, it calls a sum function and prints out the return value to `STDOUT`.

Pseudo code:

```
read T
loop from 1 to T
   read A and B
   compute the sum
   print value in a newline
end loop
```

The code has already been provided for most of the popular languages. This is primarily for you to read and inspect how the I/O is handled.

Input Format

The first line contains T (number of test cases) followed by T lines. Each line contains A and B integers, separated by a space.

Output Format

An integer representing the sum for every test case on a new line.

Constraints
$1 \leq T, A, B \leq 1000$

Sample Input

```
2
2 3
3 7
```

Sample Output

```
5
10
```

Explanation

The *2* in the first line describes how many test cases will follow, and the test case integers are *2*, *3* and *3*, *7* featured on two separate lines. Your output should be the sum of those test cases: *5* and *10* printed on two separate lines. If you print extra lines or any extra characters in your output, your answer will not get accepted because the judging is done using a diff checker.